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Atty. Dkt. No: NTI-703-1P1P

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Linyong Pang et al.

Application No.: 10/618,816

Art Unit.: 2825

Filing Date: 07/11/2003

Examiner: Vuthe Siek

For: "System And Method For Providing Defect Printability Analysis of Photolithographic Masks With Job-Based Automation"

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Date: June 29, 2005

**AMENDMENT TRANSMITTAL**

1. Transmitted herewith is an amendment for this application.
2. **STATUS:** Applicant is other than a small entity.
3. **EXTENSION OF TERM:** The proceedings herein are for a patent application and the provisions of 37 C.F.R. 1.136 apply. Applicant believes that no extension of term is required. However, this conditional petition is being made to provide for the possibility that applicant has inadvertently overlooked the need for a petition for extension of time.
4. **FEE FOR CLAIMS:** The fee for claims (37 C.F.R. 1.16(b)-(d)) has been calculated as shown below:

|  | (Col.1)                                   |       | (Col. 2)                              | (Col. 3)         | LARGE ENTITY        |               |
|--|---|-------|---------------------------------------|------------------|---------------------|---------------|
|  | Claims<br>Remaining<br>After<br>Amendment |       | Highest No.<br>Previously<br>Paid For | Present<br>Extra | Rate                | Addit.<br>Fee |
| Total  | 49  | Minus | 60                                    | = 0              | x \$50 =            | \$0           |
| Indep.   | 3   | Minus | 4                                     | = 0              | x \$200 =           | \$0           |
| First Presentation of Multiple Dependent Claim |   |       |                                       |                  | + \$360 =           | \$0           |
|  |   |       |                                       |                  | Total<br>Addit. Fee | \$0           |

**No additional fee for claims is required.**

5. **FEE DEFICIENCY:** If any additional extension and/or fee is required, please charge Deposit Account No. 50-0574.

Customer No. 29477

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**SIGNATURE OF PRACTITIONER**

Jeanette S. Harms

Reg. No. 35,537

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as FIRST CLASS MAIL in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 29, 2005.

6/29/2005   
Date Signature: Rebecca A. Baumann



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Linyong Pang and Fang-Cheng Chang  
Assignee: Synopsys, Inc.  
Title: SYSTEM AND METHOD FOR PROVIDING DEFECT  
PRINTABILITY ANALYSIS OF PHOTOLITHOGRAPHIC MASKS  
WITH JOB-BASED AUTOMATION  
Serial No.: 10/618,816 File Date: July 11, 2003  
Examiner: Vuthe Siek Art Unit: 2825  
Docket No.: NTI-703-1P1P

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Date: June 29, 2005

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

AMENDMENT IN RESPONSE TO THE FIRST OFFICE ACTION

Initial Comments

Claims 1-49 are pending in the present application. Applicant confirms the election of Group I, Claims 1-49. Claims 50-60 are cancelled.

Claims 1, 4, 6-10, 13-14, 22-23, 25, 27-31, 34-35, 43, 45-46, and 48 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 6,802,045 (Sonderman). Claims 2-5, 19, 24-26, 39, 41-42, and 44-45 are rejected under 35 U.S.C. 103(a) as being obvious over Sonderman in view of Avant!... Solutions & Products (Avant!), Taurus-Lithography, 2/22/01, pp. 1-3, or [www.sematech.org/resources/litho/meetings/mask/200107/0Data-Format-Bo3.pdf](http://www.sematech.org/resources/litho/meetings/mask/200107/0Data-Format-Bo3.pdf) (Sematch). Claims 11-12, 20-21, 32-33, 40, 47, and 49 are rejected under 35 U.S.C. 103(a) as being obvious

over Sonderman. Claim 15 is rejected under 35 U.S.C. 103(a) as being obvious over Sonderman in view of U.S. Patent Publication 2004/0133369 (Pack) or U.S. Patent Publication 2003/0161525 (Bruce). Claim 16-18, 36-38, and 41 are rejected under 35 U.S.C. 103(a) as being obvious over Sonderman in view of U.S. Patent 6,498,867 (Potucek).

Claim 1 is amended herein to correct a minor error.

Paragraph [0001] of the Specification is amended herein to correctly state the priority claim.